

# Mineral Industry Surveys

---

**For information, contact:**

Patricia A. Plunkert, Aluminum Commodity Specialist  
U.S. Geological Survey  
989 National Center  
Reston, VA 20192  
Telephone: (703) 648-4979, Fax: (703) 648-7757  
E-mail: [pplunker@usgs.gov](mailto:pplunker@usgs.gov)

Benjamin S. Goff (Data)  
Telephone: (703) 648-7962  
Fax: (703) 648-7975  
E-mail: [bgoff@usgs.gov](mailto:bgoff@usgs.gov)

**Internet:** <http://minerals.usgs.gov/minerals>

## ALUMINUM IN JUNE 2005

Domestic primary aluminum production in June was 205,804 metric tons (t), according to the U.S. Geological Survey. The average daily production rate was 6,860 t, about 1% lower than that of the previous month but 1% above the rate for June 2004. Production for the first 6 months on 2005 was about 2% lower than that for the comparable period in 2004. The monthly average U.S. market price of primary aluminum ingot decreased to 83.35 cents per pound in June from 85.13 cents per pound in May. The American Metal Market buying price range for aluminum used beverage cans (UBCs) fluctuated during June. The price range began the month at 61–63 cents per pound. On June 7, the price range increased briefly to 62–64 cents per pound before returning to 61–63 cents per pound on June 10. On June 21, the price range increased again to 62–64 cents per

pound, but on June 28, the price decreased to 60–62 cents per pound and remained at this level through the end of the month.

### Update

In July, the monthly average U.S. market price of primary aluminum ingot increased to 84.69 cents per pound from 83.35 cents per pound in June. The American Metal Market buying price range for aluminum UBCs fluctuated during July. On July 1, the buying price range decreased to 58.5–60.5 cents per pound. On July 6, the price range decreased again to 57–59 cents per pound before returning to 60–62 cents per pound on July 12, the price range at the end of June. On July 26, the buying price range decreased to 59–61 cents per pound and remained at this level through the end of the month.

TABLE 1  
COMPONENTS OF ALUMINUM SUPPLY<sup>1</sup>

(Thousand metric tons)

Period	Primary production	Secondary recovery <sup>2</sup>			Imports for consumption			Total new supply <sup>3</sup>	Total stocks, end of period <sup>4</sup>
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2004 <sup>p</sup>	2,516	1,820 <sup>r</sup>	1,200 <sup>r</sup>	3,020 <sup>r</sup>	3,250	938	4,180	9,720 <sup>r</sup>	1,470
2004:									
June	204	142	102	244	309	80	389	838	1,440
July	209	151	99	250	297	80	377	836	1,490
August	210	158	107	265	225	87	312	787	1,470
September	203	152	105	257	279	84	364	824	1,420
October	211	159	106	265	286	84	370	847	1,390
November	207	149 <sup>r</sup>	103	252 <sup>r</sup>	272	84	356	815 <sup>r</sup>	1,420
December	211	138 <sup>r</sup>	94 <sup>r</sup>	231 <sup>r</sup>	294	82	377	819 <sup>r</sup>	1,470
January-June	1,265	916	583	1,500	1,590	437	2,030	4,790	1,440
2005:									
January	209	157	102	259	334	90	425	892	1,510
February	191	152	103	255	289	97	386	833	1,450
March	214	166 <sup>r</sup>	102	268	262	105	367	848 <sup>r</sup>	1,480
April	211	158 <sup>r</sup>	102	259	372	104	476	946 <sup>r</sup>	1,490
May	214	155	105 <sup>r</sup>	259 <sup>r</sup>	372	104	476	949 <sup>r</sup>	1,520
June	206	152	102	254	NA	NA	NA	NA	NA
January-June	1,245	939	615	1,560	NA	NA	NA	NA	NA

<sup>p</sup>Preliminary. <sup>r</sup>Revised. NA Not available.

<sup>1</sup>Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.

<sup>2</sup>Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

<sup>3</sup>Primary production, secondary recovery, and imports for consumption.

<sup>4</sup>Inventory levels reflect total for both U.S. and Canadian producers; data from the Aluminum Association Inc.

TABLE 2  
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM  
PURCHASED NEW AND OLD ALUMINUM SCRAP<sup>1</sup>

(Thousand metric tons)

Period	Secondary smelters		Integrated aluminum companies		Independent mill fabricators		Foundries		Other consumers		Total	
	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery
2004 <sup>p</sup>	1,680 <sup>r</sup>	1,240 <sup>r</sup>	754	668	1,080 <sup>r</sup>	1,010 <sup>r</sup>	110	98	5	5	3,630 <sup>r</sup>	3,020 <sup>r</sup>
2004:												
June	135	100	62	55	88	82	8	7	(2)	(2)	294	244
July	136	99	66	58	91	85	8	7	(2)	(2)	301	250
August	147	109	67	60	95	89	8	7	(2)	(2)	318	265
September	143	105	67	59	91	84	9	8	(2)	(2)	309	257
October	148	110	64	56	97	91	9	8	(2)	(2)	319	265
November	145 <sup>r</sup>	107 <sup>r</sup>	64	56	87	81	9	8	(2)	(2)	305 <sup>r</sup>	252 <sup>r</sup>
December	132 <sup>r</sup>	97 <sup>r</sup>	61	54	77 <sup>r</sup>	72 <sup>r</sup>	8	7	(2)	(2)	279 <sup>r</sup>	231 <sup>r</sup>
January-June	829	613	366	325	543	507	58	52	2	2	1,800	1,500
2005:												
January	150 <sup>r</sup>	110	63	55	92	86	9	8	(2)	(2)	313 <sup>r</sup>	259
February	149	109	69	61	83	78	8	7	1	1	310	255
March	151 <sup>r</sup>	110	69	60	96	90	8	7	1	1	324 <sup>r</sup>	268
April	147	108	69 <sup>r</sup>	61 <sup>r</sup>	89	83	8	7	1	1	314 <sup>r</sup>	259
May	154 <sup>r</sup>	113	69 <sup>r</sup>	61 <sup>r</sup>	84	79	8	7	1	1	316 <sup>r</sup>	259 <sup>r</sup>
June	148	109	68	60	83	78	9	8	1	1	308	254
January-June	899	659	407	358	527	494	50	44	5	5	1,890	1,550

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than 1/2 unit.

TABLE 3  
CONSUMPTION OF AND RECOVERY FROM PURCHASED  
NEW AND OLD ALUMINUM SCRAP IN JUNE 2005<sup>1</sup>

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	124,000	148,000	90,500	109,000
Integrated aluminum companies	67,800	67,800	59,600	59,600
Independent mill fabricators	69,300	83,100	64,800	77,800
Foundries	7,120	8,550	6,300	7,560
Other consumers	422	507	422	507
Total	268,000	308,000	222,000	254,000

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 4  
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN JUNE 2005<sup>1</sup>

(Metric tons)

	June				January-June <sup>2</sup>	
	Stocks, opening	Net receipts <sup>3</sup>	Melted or consumed	Stocks, closing	Net receipts <sup>3</sup>	Melted or consumed
New scrap:						
Extrusion	28,200 <sup>r</sup>	55,000	49,100	34,000	337,000	327,000
Can stock clippings	1,810	25,300	25,400	1,720	150,000	150,000
Other wrought sheet/clippings	8,250	25,300	25,200	8,330	143,000	143,000
Casting	888	8,770	7,950	1,710	49,600	49,200
Borings and turnings	7,700	19,100	17,900	8,940	112,000	107,000
Dross and skimmings	5,560	35,600	35,900	5,280	220,000	220,000
Total new scrap	52,400 <sup>r</sup>	169,000	162,000	60,000	1,010,000	997,000
Old scrap:						
Used castings	7,210 <sup>r</sup>	11,800	10,700	8,320	68,100	66,300
Used Extrusion	42	257	257	42	1,540	1,540
Used cans (shredded, loose, baled)	12,300 <sup>r</sup>	69,000	67,000	14,300	399,000	400,000
Other wrought products	5,630	16,600	16,600	5,630	102,000	102,000
Fragmentized shredder (auto shredder)	3,210 <sup>r</sup>	12,000	11,500	3,760	68,700	67,500
Total old scrap	28,400 <sup>r</sup>	110,000	106,000	32,000	640,000	637,000
Sweated pig	72	795	780	87	4,480	4,470
Total all classes	80,800 <sup>r</sup>	280,000	268,000	92,100	1,660,000	1,640,000

<sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes revised data from previous month(s).

<sup>3</sup>Includes data on imported aluminum-base scrap.

TABLE 5  
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2005<sup>1,2</sup>

(Metric tons)

	June				January-June <sup>3</sup>	
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	5,080 <sup>†</sup>	1,800	1,030	5,850	10,600	7,970
380 and variations	6,420 <sup>†</sup>	22,100	22,400	6,130	127,000	127,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	2,520 <sup>†</sup>	3,970	3,980	2,510	24,000	24,000
No. 319 and variations	5,220 <sup>†</sup>	10,100	9,950	5,380	57,500	56,800
F-132 alloy and variations	1,170	2,550	2,570	1,150	13,100	13,200
Al-Zn alloys	223	133	140	215	844	852
Al-Si alloys (0.6% to 2.0% Cu)	39	3	3	39	19	19
Al-Cu alloys (1.5% Si, max.)	50	381	381	50	2,280	2,280
Other <sup>4</sup>	8,160	4,480	4,970	7,680	35,100	32,700
Wrought alloys:						
Extrusion billets	10,500 <sup>†</sup>	21,400	21,300	10,600	128,000	128,000
Total all alloys	39,400 <sup>†</sup>	66,900	66,700	39,600	398,000	393,000
Less:						
Primary aluminum consumed	XX	8,970	XX	XX	54,200	XX
Primary silicon consumed	XX	2,710	XX	XX	16,100	XX
Other alloying ingredients consumed	XX	652	XX	XX	3,960	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot <sup>5</sup>	XX	54,600	XX	XX	324,000	XX

<sup>†</sup>Revised. XX Not applicable.

<sup>1</sup>Excludes integrated aluminum companies.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Includes revised data from previous months.

<sup>4</sup>Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

<sup>5</sup>No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6  
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN MAY 2005<sup>1</sup>

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January-May	May	January-May	May	January-May	May	January-May
Argentina	4,990	26,200	986	2,920	--	--	5,980	29,100
Australia	5,600	29,900	7	62	1,140	1,210	6,740	31,200
Bahrain	250	961	1,190	6,280	--	--	1,440	7,240
Belgium	--	(2)	939	5,190	--	--	939	5,190
Brazil	28,900	102,000	4,090	16,700	--	126	33,000	118,000
Canada	156,000	715,000	42,100	213,000	25,500	126,000	223,000	1,050,000
China	33,400	48,900	11,100	44,300	1	126	44,500	93,300
France	57	442	819	3,260	17	37	894	3,740
Germany	132	1,280	10,400	45,100	2	98	10,500	46,500
Hungary	--	--	578	1,180	--	--	578	1,180
Italy	--	181	200	1,020	--	--	200	1,200
Japan	17	354	1,410	7,760	40	269	1,460	8,380
Korea, Republic of	38	38	199	1,450	--	--	237	1,490
Mexico	--	--	1,900	8,980	8,940	45,300	10,800	54,200
Netherlands	34	177	201	946	--	--	235	1,120
Norway	--	--	9	63	--	2	9	65
Russia	92,900	476,000	4,360	26,800	307	3,000	97,600	506,000
South Africa	3,020	32,400	3,370	19,500	--	--	6,380	51,900
Spain	1	9	130	1,300	59	106	190	1,410
Sweden	--	--	303	1,200	--	--	303	1,200
Switzerland	17	17	380	1,470	--	--	397	1,480
Tajikistan	30,000	74,100	--	--	--	--	30,000	74,100
United Arab Emirates	3,560	25,500	--	132	369	454	3,920	26,100
United Kingdom	1,070	16,300	813	3,430	195	866	2,080	20,600
Venezuela	8,940	58,500	1,410	6,400	596	6,370	10,900	71,300
Other	3,770	22,400	16,800	81,100	4,020	22,200	24,600	126,000
Total	372,000	1,630,000	104,000	499,000	41,200	206,000	517,000	2,340,000

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7  
U.S. EXPORTS OF ALUMINUM IN MAY 2005<sup>1</sup>

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January- May	May	January- May	May	January- May	May	January- May
Australia	16	103	74	712	--	12	90	828
Azerbaijan	--	--	--	2	--	--	--	2
Belgium	62	536	547	2,760	--	--	608	3,300
Brazil	7	136	1,030	3,120	177	1,300	1,210	4,550
Canada	9,890	53,500	40,700	211,000	13,800	64,000	64,400	329,000
China	8	102	3,640	11,200	48,600	201,000	52,300	213,000
Czech Republic	--	--	5	175	--	--	5	175
Dominican Republic	6	8	60	168	--	--	66	177
France	129	305	825	3,470	--	45	953	3,820
Germany	75	253	915	3,450	65	222	1,060	3,920
Hong Kong	9	198	408	2,610	904	4,020	1,320	6,830
India	3	38	43	161	1,760	4,850	1,800	5,050
Israel	55	230	441	1,350	--	--	496	1,580
Italy	3	175	298	1,250	--	--	301	1,420
Japan	343	1,970	946	3,990	2,970	12,900	4,260	18,800
Korea, Republic of	103	430	1,720	6,440	14,400	57,300	16,200	64,200
Malaysia	6	11	113	4,770	--	47	120	4,830
Mexico	17,700	69,400	15,600	76,800	5,900	22,300	39,200	169,000
Netherlands	7	71	83	271	--	37	90	380
Russia	--	28	--	3	(2)	11	(2)	41
Saudi Arabia	--	(2)	2,080	12,800	--	--	2,080	12,800
Singapore	--	260	156	1,160	--	544	156	1,960
Spain	24	34	58	368	--	196	82	598
Sweden	--	9	3	179	--	--	3	189
Taiwan	24	137	799	3,870	4,740	21,400	5,560	25,400
Thailand	28	175	625	3,110	509	3,010	1,160	6,290
Ukraine	--	--	1	1	--	--	1	1
United Kingdom	19	169	1,310	6,250	15	140	1,340	6,560
Venezuela	1	4	207	440	--	21	208	465
Other	384	1,830	2,950	14,500	3,830	18,800	7,160	35,100
Total	28,900	130,000	75,600	377,000	97,700	413,000	202,000	920,000

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than 1/2 unit.

Source: U.S. Census Bureau.